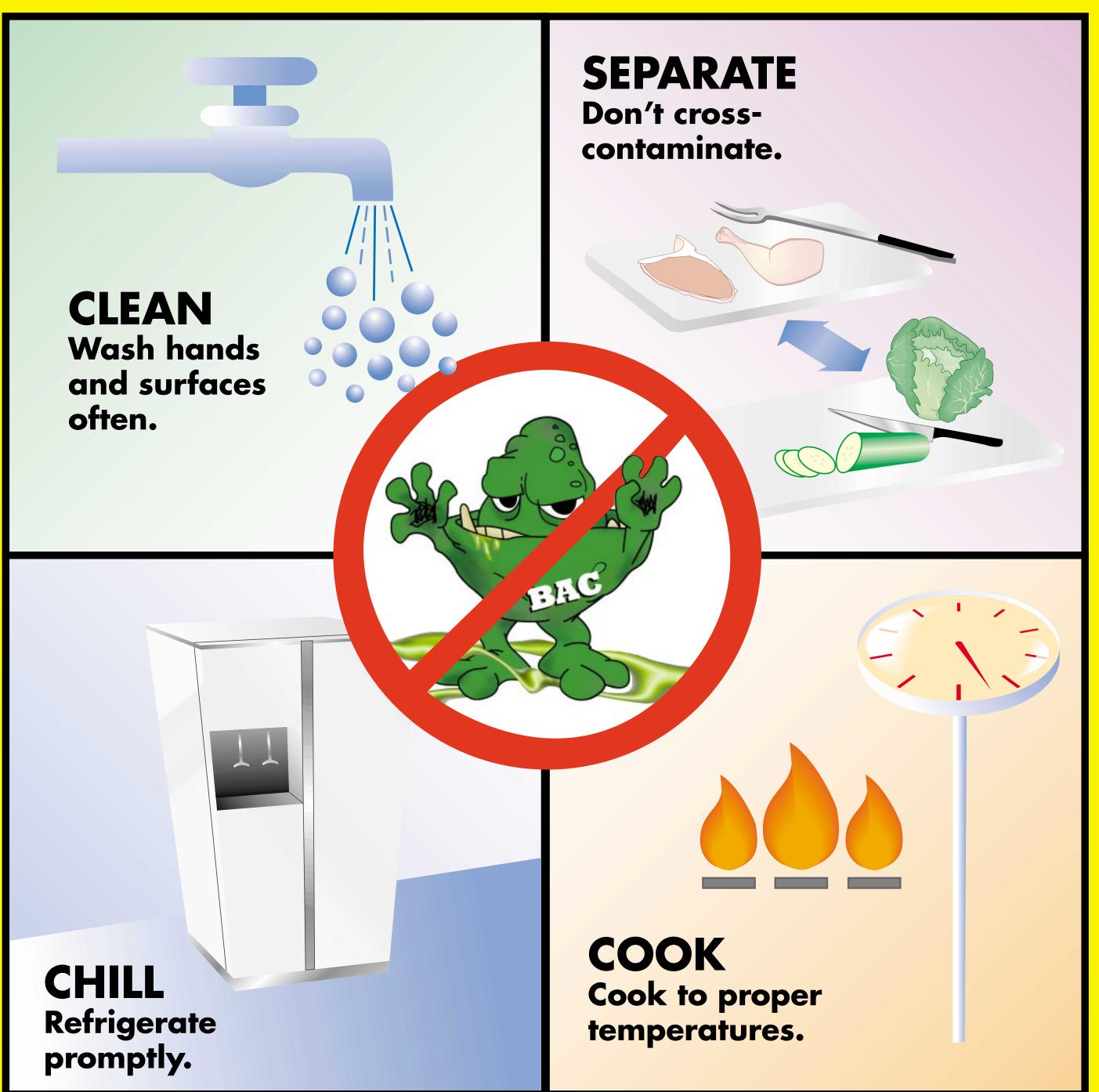
# Schools FIGHT BAC!



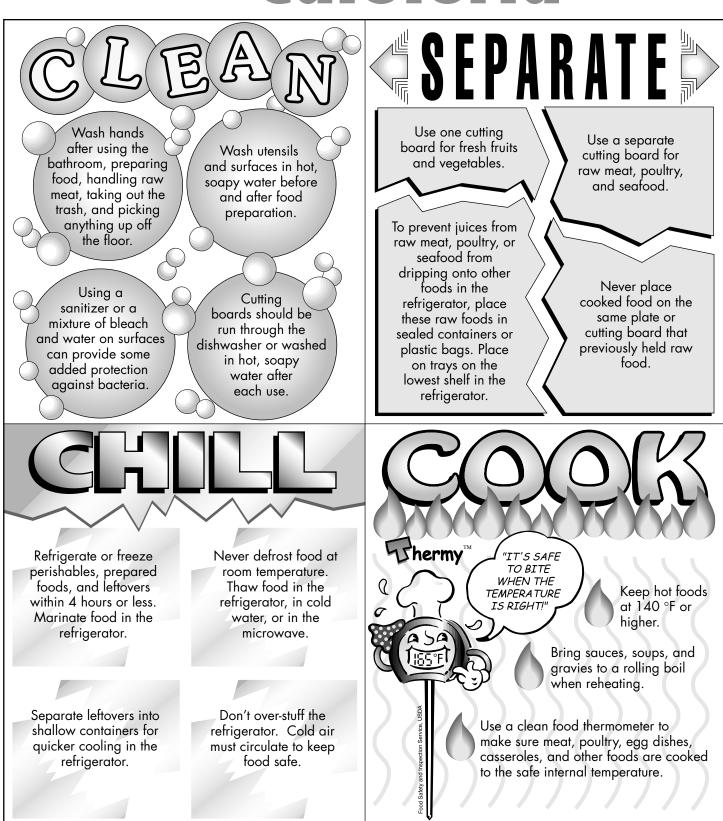
## Keep Food Safe From Bacteria

For More Food Safety Information, Visit our Website: http://schoolmeals.nal.usda.gov





## In the Cafeteria



Adapted From: The Partnership for Food Safety Education www.fightbac.org



### TEACHERS ACTOSS the Curriculum

| 110111                                  |   |
|---|---|
| Language Arts<br>Art                    | <ul> <li>BAC!'s Story – In His Own Words!</li> <li>Invite children to write a short adventure story from the point of view of the bacteria — featuring their efforts to stay alive and multiply! Encourage them to include several food safety mistakes that help bacteria multiply and several good food safety habits that keep bacteria from multiplying!</li> <li>Have students illustrate their stories with their own portrait of BAC!</li> </ul>   |
| Language Arts<br>Music                  | Fight BAC! ™ Rap  • Have children (as a group) compose a rap song or chant using the basic messages of food safety. Start by having students list all the vocabulary words they can think of for each key "Action," along with words that rhyme. Remind them to create one verse for each key "Action."  • When the rap is done, have children perform it with percussion or rhythm instruments.  |
| Language Arts<br>Science                | <ul> <li>Good Guys/Bad Guys</li> <li>Not all bacteria are bad! Have students research good bacteria and bring in three kinds of food — or pictures of food — that have good bacteria (like yogurt or cheddar cheese).</li> <li>Ask children to research the purpose of good bacteria in food. Encourage them to use a variety of sources: Internet, library, the school nurse, etc.</li> </ul>  |
| Language Arts<br>Science<br>Art         | <ul> <li>Bacteria – From the Artist's View!</li> <li>Under a microscope, bacteria can look like a colorful work of art! Have students find pictures of magnified bacteria cells in the encyclopedia or through other research.</li> <li>Have students draw their own pictures of bacteria as if they were seeing them through a microscope, using colored pencils and other materials to give texture to the artwork. Remind them to label their pictures with the scientific name! (What does Salmonella really look like?)</li> <li>Remind the students to check the www.fightbac.org web site to find other bacteria names.</li> </ul> |
| Math<br>Science                         | <ul> <li>Lunch Box Test Pilots!</li> <li>Pack two lunches in the morning with some cold food items (like pasta salad, a cheese sandwich, or yogurt). Use a cold pack in one lunch bag.</li> <li>Have students test each food's temperatures at 1-hour intervals to see if any of the foods are in the "danger zone" 41 °F - 140 °F.</li> <li>Make a bar chart of the food's temperatures to show the difference between the two lunches, plotting out the temperatures taken at each interval.</li> <li>Invite children to explain the significance of this information!</li> </ul>   |
| Math                                    | <ul> <li>Multiplying Bacteria</li> <li>Have students imagine a fictional bacteria that will reproduce once every 30 minutes at room temperature (70 °F/21 °C), once every 10 hours when cooled in the refrigerator at 41 °F/4 °F, and once every 7 hours when heated in the oven at 120 °F/49 °C.</li> <li>Now, challenge them to figure out and chart: How many bacteria would be present in each location after 1 hour 2 hours 6 hours 1 day.</li> <li>Through this exercise, what can they hypothesize about how temperature affects bacterial growth?</li> </ul>  |
| Social Studies<br>Creative<br>Dramatics | Food Safety's Cast of Characters  • Many people are responsible for helping to keep food safe. Conduct research about the people involved from farm to table like farmers, grocers, cooks, government inspectors, and others.  • Role-play these characters in class using props students bring in or make.   |
| Social Studies                          | <ul> <li>Food Safety Long Ago and Far Away</li> <li>Ask your school librarian to help students research food safety practices from long ago — such as the use of drying and salting for a long sea-voyage first use of thermometers in determining safe food temperatures the invention of pasteurization irradiation.</li> <li>Encourage students to talk to parents and grandparents about how food was stored when they were</li> </ul>  |

HANDS ON

**ACTIVITIES** 

growing up and contrast it with how food is stored today.

In current times, how might people in different parts of the world deal with food safety? Have students brainstorm how the availability of soap . . . water . . . and refrigeration would make a difference. What

about places impacted by weather disasters like earthquakes or hurricanes?

• What strategies can they come up with for these affected areas?

Compliments of The Partnership for Food Safety Education www.fightbac.org



FIGHT BAC!™

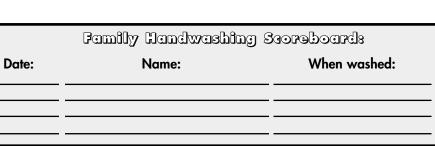
### KIDS & PARENTS In the Home

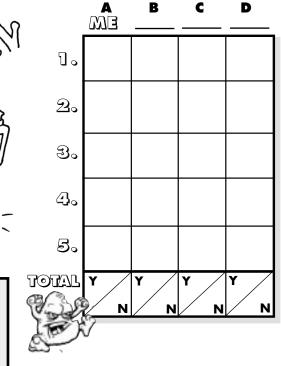
Use this survey to check out your food safety practices.

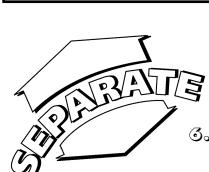
DID YOU . . .

Date Started:

- 🗓 🔉 Wash hands with warm water and soap for 20 seconds before preparing food?
- 2. Wash hands with warm water and soap for 20 seconds before eating?
- 3. Clean countertops before preparing food?
- 4. Rinse fruits and vegetables with cold running water before preparing them?
- **3** Rinse fruits and vegetables with cold running water before eating them?







Guffing Board eubitita e

Number of cutting boards:

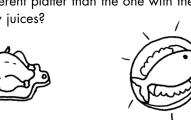
Type (plastic, wood, etc.):

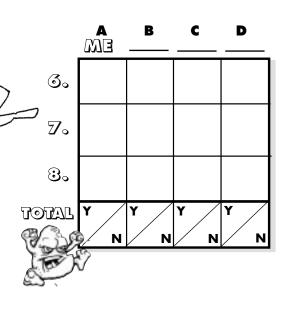


Clean the cutting boards used for raw meat, fish, and poultry before using for any other foods?

 $\mathbb{Z}_{\circ}$  Keep raw meat, fish, and poultry wrapped properly in the refrigerator so juices do not drip on other foods?

3. Put cooked meat, fish, or poultry on a different platter than the one with the raw juices?





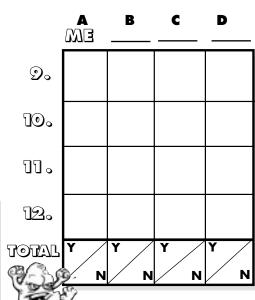


Rotate food in the microwave to avoid "cold spots?"

Too. Bring sauces, soups, and gravy to a boil when reheating?

110 Make sure eggs were cooked properly? 120. Not eat cookie dough or cake batter that was made with raw eggs?

Safe Temperature Summary Kind of Meat: Date Cooked: Food thermometer temp: Kind of Poultry: Date Cooked: Food thermometer temp Date Cooked: Food thermometer temp





DID YOU 🛚 🕄 o Use a cold pack for packed

lunches or picnic foods? 14. Refrigerate leftovers right away?

15. Defrost foods in: - the refrigerator cold water

— the microwave?

FRIDGE EXAM The refrigerator is set at degrees. Food storage containers found: tall containers shallow containers

**Answer** questions 1-15: Y = Yes N = No Add the initials of family members in each column head. ME13. 14. 15. 

